

09/059,853

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16974 HOG
67698 CHOLERA
2015177 VIRUS
S1 1953 HOG (4W)CHOLERA(4W)VIRUS
? s polypeptide adn s1

S2 0 POLYPEPTIDE ADN S1
? s s1 and polypeptide

1953 S1
336950 POLYPEPTIDE
S3 72 S1 AND POLYPEPTIDE
? s 44(4w) kd and s3

759222 44
137437 KD
1169 44(4W)KD
72 S3
S4 6 44(4W) KD AND S3
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>>>Duplicate detection is not supported for File 307.
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>>>Duplicate detection is not supported for File 348.
>>>Duplicate detection is not supported for File 351.
>>>Duplicate detection is not supported for File 375.
>>>Duplicate detection is not supported for File 456.

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S5 6 RD (unique items)
? t s5/5/1-6

5/5/1 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
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1351856 EMBASE No: 79120784
Detection of three polypeptides in preparations of bovine viral diarrhoea virus
Matthaeus W.
Fed. Res. Inst. Anim. Virus Dis., Tubingen GERMANY, WEST
ARCH. VIROL. (AUSTRIA) , 1979, 59/4 (299-305)
CODEN: ARVID
LANGUAGES: ENGLISH
Radiolabelled bovine viral diarrhoea/mucosal disease virus (BVDV) strains NADL and Oregon C24V were purified by different steps. Following immunoprecipitation, electrophoresis in SDS-polyacrylamide gels revealed three BVDV structural polypeptides with molecular weights of 57 (VP1), 44 (VP2), and 34 (VP3) kd. The two larger BVDV polypeptides VP1 and VP2 were found to be glycosylated (gp57, gp44). The data obtained on BVDV structural proteins demonstrate common features with hog cholera virus and indicate a common grouping with the family Togaviridae.

EMTAGS:

Immunological procedures (0102); Animal experiment (0112); Cattle (0707);

Virus (0761)

DESCRIPTORS:

*bovine viral diarrhea virus (0095797); *virus **polypeptide** (0155172)

SECTION HEADINGS:

04719030300 VIROLOGY/ RNA VIRUSES/ Togaviridae/ Pestivirus

04705010000 /BIOCHEMISTRY, GENETICS/ Biochemistry, enzymology

04806020000 GASTROENTEROLOGY/ GASTROINTESTINAL INFECTIONS/ Viruses

04805000000 /GASTROINTESTINAL DISEASES

5/5/2 (Item 1 from file: 348)

DIALOG(R) File 348:European Patents

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00759336

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Hog cholera virus vaccine and diagnostic

Impfstoff und Diagnostikum fur den Schweine-Cholera-Virus

Vaccin et test de diagnostique pour le virus du cholera porcin

PATENT ASSIGNEE:

Akzo Nobel N.V., (200754), Velperweg 76, NL-6824 BM Arnhem, (NL),

(applicant designated states: BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;NL;SE)

INVENTOR:

Rumenapf, Tillmann, Pappelweg 3, D-72076 Tubingen, (DE)

Meyers, Gregor, Albstrasse 1, D-72141 Walddorfhaslach, (DE)

Thiel, Heinz-Jurgen, Im Schonblick 67, D-72076 Tubingen, (DE)

LEGAL REPRESENTATIVE:

Mestrom, Joannes Jozef Louis (74855), N.V. Organon, Postbus 20, NL-5340
BH Oss, (NL)

PATENT (CC, No, Kind, Date): EP 713915 A1 960529 (Basic)

APPLICATION (CC, No, Date): EP 95202375 900312;

PRIORITY (CC, No, Date): EP 89104921 890319

DESIGNATED STATES: BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: C12N-015/40; C12N-015/86; C07K-014/185;

A61K-039/187; C12Q-001/70

ABSTRACT EP 713915 A1

The present invention is concerned with a **hog cholera virus** vaccine comprising a **polypeptide** characteristic of **hog cholera virus**. Vector vaccines capable to express a nucleic acid sequence encoding such a **polypeptide** also form part of the present invention. Said **polypeptide** and nucleic acid sequence can also be used for the detection of **hog cholera virus** infection.

ABSTRACT WORD COUNT: 71

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 960529 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 960529 A1 Date of filing of request for examination:
950904

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available	Text	Language	Update	Word Count
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CLAIMS A	(English)	EPAB96	437
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SPEC A	(English)	EPAB96	6044
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Total word count - document A		6481
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Total word count - document B		0
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Total word count - documents A + B		6481
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5/5/3 (Item 2 from file: 348)

DIALOG(R) File 348:European Patents

(c) 1998 European Patent Office. All rts. reserv.

00649588

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Vaccine against Streptococcus suis infection.

Impstoff gegen Streptococcus suis-Infektion.

Vaccin contre une infection par streptococcus suis.

PATENT ASSIGNEE:

Akzo Nobel N.V., (200754), Velperweg 76, NL-6824 BM Arnhem, (NL),

(applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Jacobs, Antonius Arnoldus Christiaan, Ondersteweg 2, NL-5995 PS Kessel,
(NL)

LEGAL REPRESENTATIVE:

Mestrom, Joannes Jozef Louis et al (74851), P.O. Box 20, NL-5340 BH Oss,
(NL)

PATENT (CC, No, Kind, Date): EP 626452 A1 941130 (Basic)

APPLICATION (CC, No, Date): EP 94201295 940509;

PRIORITY (CC, No, Date): EP 93201401 930517

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

INTERNATIONAL PATENT CLASS: C12P-021/02; C07K-013/00; A61K-039/09;
C07K-015/00;

ABSTRACT EP 626452 A1

The present invention relates to a **polypeptide** of the bacterium Streptococcus suis with a molecular weight of about 54 kD, capable of inducing neutralising antibodies against Streptococcus suis. The invention also relates to a vaccine against Streptococcus suis infection, and a method for the preparation of such a vaccine.

ABSTRACT WORD COUNT: 51

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 941130 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 950208 A1 Date of filing of request for examination:
940509

Examination: 980513 A1 Date of despatch of first examination report:
980331

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available	Text	Language	Update	Word Count
CLAIMS	A	(English)	EPABF2	243
SPEC	A	(English)	EPABF2	6132
Total word count - document	A			6375
Total word count - document	B			0
Total word count - documents	A + B			6375

5/5/4 (Item 3 from file: 348)

DIALOG(R) File 348:European Patents

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00632938

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Hog cholera virus vaccine and diagnostic

Impfstoff und Diagnostikum fur den Schweine-Cholera-Virus

Vaccin et test de diagnostique pour le virus du cholera porcin

PATENT ASSIGNEE:

Akzo Nobel N.V., (200754), Velperweg 76, NL-6824 BM Arnhem, (NL),
(applicant designated states: BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;NL;SE)

INVENTOR:

Meyers, Gregor, Albstrasse 1, D-72141 Walddorfhaslach, (DE)

Rumenapf, Tillmann, Pappelweg 3, D-72076 Tubingen, (DE)

Thiel, Heinz-Jurgen, Im Schonblick 67, D-72076 Tubingen, (DE)

LEGAL REPRESENTATIVE:

Mestrom, Joannes Jozef Louis (74851), P.O. Box 20, NL-5340 BH Oss, (NL)

PATENT (CC, No, Kind, Date): EP 614979 A1 940914 (Basic)
EP 614979 B1 960605
APPLICATION (CC, No, Date): EP 94200200 900312;
PRIORITY (CC, No, Date): EP 89104921 890319
DESIGNATED STATES: BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: C12N-015/40; C07K-014/185; A61K-039/187;
C12Q-001/70

ABSTRACT EP 614979 A1

The present invention is concerned with a **hog cholera virus** vaccine comprising a **polypeptide** characteristic of **hog cholera virus**. Vector vaccines capable to express a nucleic acid sequence encoding such a **polypeptide** also form part of the present invention. Said **polypeptide** and nucleic acid sequence can also be used for the detection of **hog cholera virus** infection.

ABSTRACT WORD COUNT: 59

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 940914 A1 Published application (A1with Search Report ;A2without Search Report)
Examination: 940914 A1 Date of filing of request for examination: 940127
Examination: 950503 A1 Date of despatch of first examination report: 950316
Grant: 960605 B1 Granted patent
Oppn: 970502 B1 Opposition 01/970304 ID-DLO - Instituut voor Dierhouderij en Diergezondheid; Edelhertweg 15 Postbus 65; NL-8200 AB LELYSTAD; (NL) (Representative:) Smulders, Theodorus A.H.J., Ir.; Vereenigde Octrooibureaux Nieuwe Parklaan 97; 2587 BN 's-Gravenhage; (NL)

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	374
CLAIMS B	(English)	EPAB96	712
CLAIMS B	(German)	EPAB96	609
CLAIMS B	(French)	EPAB96	823
SPEC A	(English)	EPABF2	6033
SPEC B	(English)	EPAB96	6636
Total word count - document A			6408
Total word count - document B			8780
Total word count - documents A + B			15188

5/5/5 (Item 4 from file: 348)
DIALOG(R) File 348:European Patents
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00534494

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
Treponema hyodysenteriae vaccine.
Treponema-Hyodysenteriae Vakzin.
Vaccin de treponema hyodysenteriae.
PATENT ASSIGNEE:

DUPHAR INTERNATIONAL RESEARCH B.V, (216651), C.J. van Houtenlaan 36,
NL-1380 AC Weesp, (NL), (applicant designated states:
AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;NL;PT;SE)

INVENTOR:

Koopman, Marcel B.H., c/o Octrooibureau Zoan b.v., P.O. Box 140, NL-1380
AC Weesp, (NL)

Kusters, Johannes G., c/o Octrooibureau Zoan b.v., P.O. Box 140, NL-1380
AC Weesp, (NL)

LEGAL REPRESENTATIVE:

Breepoel, Peter M. (60271), Octrooibureau Zoan B.V. P.O. Box 140, NL-1380

AC Weesp, (NL)
PATENT (CC, No, Kind, Date): EP 534526 A1 930331 (Basic)
APPLICATION (CC, No, Date): EP 92202796 920914;
PRIORITY (CC, No, Date): EP 91202478 910925; EP 92202273 920724
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; NL;
PT; SE
INTERNATIONAL PATENT CLASS: C12N-015/31; A61K-039/02; C07K-013/00;
CITED PATENTS (EP A): WO 9015132 A; WO 9015132 A
CITED REFERENCES (EP A):

JOURNAL OF GENERAL MICROBIOLOGY vol. 135, no. 6, 1989, pages 1625 - 1632
K. KENT ET AL 'Analysis of the axial filaments of Treponema
hyodysenteriae by SDS-PAGE and immunoblotting'
INFECTIOON AND IMMUNITY. vol. 60, no. 7, July 1992, WASHINGTON US pages
2920 - 2925 M. KOOPMAN ET AL 'Cloning and DNA sequence analysis of a
Serpulina (Treponema) hyodysenteriae gene encoding a periplasmic
flagellar sheath protein';

ABSTRACT EP 534526 A1

The present invention is concerned with vaccine for combating Treponema hyodysenteriae infection in swine containing proteins or polypeptides typical of the endoflagellum sheath protein of Treponema hyodysenteriae or containing recombinant polynucleotides having as part thereof a polynucleotide coding for said protein or **polypeptide**, and also is concerned with the preparation of said proteins, polypeptides and polynucleotides.

ABSTRACT WORD COUNT: 58

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 930331 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 930908 A1 Date of filing of request for examination:
930714

Withdrawal: 961002 A1 Date on which the European patent application
was deemed to be withdrawn: 960331

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	206
SPEC A	(English)	EPABF1	9249
Total word count - document A			9455
Total word count - document B			0
Total word count - documents A + B			9455

5/5/6 (Item 5 from file: 348)
DIALOG(R) File 348:European Patents
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00395465

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Hog cholera virus vaccine and diagnostic.

Impfstoff und Diagnostikum fur den Schweine-Cholera-Virus.

Vaccin et test de diagnostic pour le virus du cholera porcin.

PATENT ASSIGNEE:

Akzo Nobel N.V., (200754), Velperweg 76, NL-6824 BM Arnhem, (NL),
(applicant designated states: BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;NL;SE)

INVENTOR:

Meyers, Gregor, Gammertingerstrasse 79, D-7000 Stuttgart 80, (DE)

Rumenapf, Tillmann, Ligusterweg 3, D-7400 Tubingen, (DE)

Thiel, Heinz-Jurgen, Im Schonblick 67, D-7400 Tubingen, (DE)

LEGAL REPRESENTATIVE:

Hermans, Franciscus G.M. et al (20111), Patent Department AKZO NOBEL N.V.

Pharma Division P.O. Box 20, NL-5340 BH Oss, (NL)

PATENT (CC, No, Kind, Date): EP 389034 A1 900926 (Basic)

EP 389034 B1 940914

APPLICATION (CC, No, Date): EP 90200573 900312;

PRIORITY (CC, No, Date): EP 89104921 890319

DESIGNATED STATES: BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: C12N-015/40; A61K-039/187; C12Q-001/70
CITED PATENTS (EP A): EP 236977 A

CITED REFERENCES (EP A):

- VIRUS RESEARCH, vol. 11, no. 4, 1988, pages 281-291, Elsevier Science Publishers B.V., Amsterdam, NL; R.J.M MOORMANN et al.: "Hog cholera virus: identification and characterization of the viral RNA and the virus-specific RNA synthesized in infected swine Kidney cells"
THE JOURNAL OF GENERAL VIROLOGY, vol. 70, no. 2, February 1989, pages 253-266, SGM, GB; M.S. COLLETT et al.: "Recent advances in pestivirus research"
VIROLOGY, vol. 171, no. 2, 1989, pages 555-567, Academic Press, Inc.; G. MEYERS et al.: "Molecular cloning and nucleotide sequence of the genome of hog cholera virus";

ABSTRACT EP 389034 A1

The present invention is concerned with a **hog cholera virus** vaccine comprising a **polypeptide** characteristic of **hog cholera virus**. Vector vaccines capable to express a nucleic acid sequence encoding such a **polypeptide** also form part of the present invention. Said **polypeptide** and nucleic acid sequence can also be used for the detection of **hog cholera virus** infection.

ABSTRACT WORD COUNT: 61

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 900926 A1 Published application (A1with Search Report ;A2without Search Report)
Examination: 910313 A1 Date of filing of request for examination: 910109
Examination: 921209 A1 Date of despatch of first examination report: 921022
Grant: 940914 B1 Granted patent
Oppn: 950726 B1 Opposition 01/950601 Bayer AG Konzernzentrale RP Patente Konzern; -; D-51368 Leverkusen; (DE)
*Oppn: 980610 B1 Opposition (change) 01/950601 Bayer AG Konzernzentrale RP Patente Konzern; -; D-51368 Leverkusen; (DE)
(Representative:) Smulders, Theodorus A.H.J., Ir.; Vereenigde Octrooibureaux, P.O. Box 87930; 2508 DH 's-Gravenhage; (NL)

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPBBF1	311
CLAIMS B	(English)	EPBBF1	667
CLAIMS B	(German)	EPBBF1	579
CLAIMS B	(French)	EPBBF1	767
SPEC A	(English)	EPBBF1	5759
SPEC B	(English)	EPBBF1	5726
Total word count - document A			6070
Total word count - document B			7739
Total word count - documents A + B			13809

AU=MEYERS, H. M., III

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S6 55 AU="MEYERS, GREGOR"

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1953 S1
S7 13 S6 AND S1

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>>>Duplicate detection is not supported for File 351.
>>>Duplicate detection is not supported for File 375.
>>>Duplicate detection is not supported for File 456.

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S8 9 RD (unique items)

? t s8/6/1-9

8/6/1 (Item 1 from file: 143)
0573019 H.W. WILSON RECORD NUMBER: BBAI96015758
Classical swine fever virus: recovery of infectious viruses from cDNA
constructs and generation of recombinant cytopathogenic defective
interfering particles
19960300

8/6/2 (Item 2 from file: 143)
0261314 H.W. WILSON RECORD NUMBER: BBAI90011960
Genomic localization of **hog cholera virus** glycoproteins
19900100

8/6/3 (Item 3 from file: 143)
0245333 H.W. WILSON RECORD NUMBER: BBAI89033330
Molecular cloning and nucleotide sequence of the genome of **hog**
cholera virus
19890800

8/6/4 (Item 4 from file: 143)
0241244 H.W. WILSON RECORD NUMBER: BBAI89029222
Hog cholera virus--characterization of specific antiserum
and identification of cDNA clones
19890700

8/6/5 (Item 1 from file: 399)
DIALOG(R)File 399:(c) 1998 American Chemical Society. All rts. reserv.

Hog cholera virus: molecular composition of virions from a pestivirus

8/6/6 (Item 2 from file: 399)
DIALOG(R)File 399:(c) 1998 American Chemical Society. All rts. reserv.

Cloning and expression of genes for antigenic peptides of hog cholera virus for vaccines

8/6/7 (Item 3 from file: 399)
DIALOG(R)File 399:(c) 1998 American Chemical Society. All rts. reserv.

Structural proteins of hog cholera virus expressed by vaccinia virus: further characterization and induction of protective immunity

8/6/8 (Item 4 from file: 399)
DIALOG(R)File 399:(c) 1998 American Chemical Society. All rts. reserv.

Molecular characterization of hog cholera virus

8/6/9 (Item 5 from file: 399)
DIALOG(R)File 399:(c) 1998 American Chemical Society. All rts. reserv.

Pestivirus glycoprotein which induces neutralizing antibodies forms part of a disulfide-linked heterodimer
?

Set Items Description
S1 1953 HOG (4W) CHOLERA(4W)VIRUS
S2 0 POLYPEPTIDE ADN S1
S3 72 S1 AND POLYPEPTIDE
S4 6 44(4W) KD AND S3
S5 6 RD (unique items)
S6 55 AU="MEYERS, GREGOR"
S7 13 S6 AND S1
S8 9 RD (unique items)

? s s4 and vaccine

 6 S4
335900 VACCINE
 S9 5 S4 AND VACCINE

? s s9 and assay

 5 S9
1259261 ASSAY
 S10 5 S9 AND ASSAY

? t s10/6/1-5

10/6/1 (Item 1 from file: 348)
00759336

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Hog cholera virus vaccine and diagnostic

Impfstoff und Diagnostikum fur den Schweine-Cholera-Virus

Vaccin et test de diagnostique pour le virus du cholera porcin

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	437
SPEC A	(English)	EPAB96	6044
Total word count - document A			6481
Total word count - document B			0
Total word count - documents A + B			6481

10/6/2 (Item 2 from file: 348)
00649588

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Vaccine against Streptococcus suis infection.

Impstoff gegen Streptococcus suis-Infektion.

Vaccin contre une infection par streptococcus suis.

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	243
SPEC A	(English)	EPABF2	6132
Total word count - document A			6375
Total word count - document B			0
Total word count - documents A + B			6375

10/6/3 (Item 3 from file: 348)
00632938

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Hog cholera virus vaccine and diagnostic
Impfstoff und Diagnostikum fur den Schweine-Cholera-Virus
Vaccin et test de diagnostique pour le virus du cholera porcin
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	374
CLAIMS B	(English)	EPAB96	712
CLAIMS B	(German)	EPAB96	609
CLAIMS B	(French)	EPAB96	823
SPEC A	(English)	EPABF2	6033
SPEC B	(English)	EPAB96	6636
Total word count - document A			6408
Total word count - document B			8780
Total word count - documents A + B			15188

10/6/4 (Item 4 from file: 348)
00534494
ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
Treponema hyodysenteriae vaccine.
Treponema-Hyodysenteriae Vakzin.
Vaccin de treponema hyodysenteriae.
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	206
SPEC A	(English)	EPABF1	9249
Total word count - document A			9455
Total word count - document B			0
Total word count - documents A + B			9455

10/6/5 (Item 5 from file: 348)
00395465
ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
Hog cholera virus vaccine and diagnostic.
Impfstoff und Diagnostikum fur den Schweine-Cholera-Virus.
Vaccin et test de diagnostic pour le virus du cholera porcin.
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPBBF1	311
CLAIMS B	(English)	EPBBF1	667
CLAIMS B	(German)	EPBBF1	579
CLAIMS B	(French)	EPBBF1	767
SPEC A	(English)	EPBBF1	5759
SPEC B	(English)	EPBBF1	5726
Total word count - document A			6070
Total word count - document B			7739
Total word count - documents A + B			13809